



### EXTERIOR DIMENSIONS

Wheelbase	106.9 in.
Overall Length	187.2 in.
Overall Width	72.6 in.
Overall Height (unloaded)	66.4 in. (without roof rack)
Tread Width - Front	62.0 in.
- Rear	61.2 in.
Ground Clearance	7.1 in.
Approach Angle	28.3 deg.
Departure Angle	24.3 deg.
Breakover Angle	16.0 deg.

### INTERIOR DIMENSIONS

Seating Capacity	5
Headroom - Front (with moonroof)	39.4 in.
- Rear	37.5 in.
Legroom - Front	42.5 in.
- Rear	36.4 in.
Shoulder Room - Front	57.9 in.
- Rear	57.1 in.
Hip Room - Front	54.9 in.
- Rear	54.5 in.
Total Interior Volume	140.8 cu. ft.
Cargo Volume - Rear seats up and rearmost	38.3 cu. ft.
- Rear seats folded down	84.7 cu. ft.

### WEIGHTS AND CAPACITIES

Curb Weight	4,365 lbs. – AWD; 4,190 lbs. – FWD
Weight Distribution – Front/Rear	57%/43%
GVWR	5,520 lbs.
Max Towing Capacity	3,500 lbs. (with appropriate hitch)
Fuel Capacity	17.2 gal.



<b>HYBRID POWER SYSTEM</b>		
Type		Series/parallel system with gas engine and electric motors
Total System Power		268 hp (200 kW)
<b>ENGINE</b>		
Type, Materials		V6, aluminum block and heads
Designation		3MZ-FE
Valvetrain		DOHC 24 valve with VVT-i
Displacement		3.3 liter
Bore x Stroke		3.62 in. x 3.27 in.
Compression Ratio		10.8:1
Horsepower (SAE)		208 @ 5,600 rpm
Torque		212 lb.-ft. @ 4,400 rpm
Maximum Engine Speed (redline)		5,600 rpm
Fuel System		Multi-Point Injection (MPI)
Fuel Requirement		87 octane unleaded (91 octane recommended)
Tailpipe Emission Certification		SULEV (California); Tier 2 – Bin 3 (all other states)
Evaporative Emission Certification		Zero evap.
<b>ELECTRIC MOTORS</b>		
Motor Generator 1 (MG1)	- Function	Generator, engine starter, transmission ratio control
	- Type	Permanent magnet motor
	- Max. voltage	AC 650V
Motor Generator 2 (MG2)	- Function	Drives front wheels, regeneration during braking
	- Type	Permanent magnet motor
	- Max. voltage	AC 650V
	- Max. output	167 hp (123 kW) @ 4,500 rpm
	- Max. torque	247 lb.-ft. @ 0–1,500 rpm
Motor Generator Rear (MGR)	- Function	Drives rear wheels, regenerative braking
	- Type	Permanent magnet motor
	- Max. voltage	AC 650V
	- Max. output	68 hp (50 kW) @ 4,610–5,120 rpm
	- Max. torque	96 lb.-ft. @ 0–610 rpm
<b>HYBRID BATTERY PACK</b>		
Type		Sealed Nickel Metal Hydride (Ni-MH)
Nominal Voltage		288V
Power Output		45 kW



<b>DRIVETRAIN</b>	
Layout	Front gas engine with hybrid transaxle and front and rear electric drive motors, electric all-wheel drive
Transaxle/Transmission Type	Electronically Controlled continuously Variable Transmission (ECVT) with planetary gear unit for gear reduction and power splitting, electronic all- or front-wheel-drive control system
Designation – Front/Rear	P310/Q211
Differential Ratio – Front/Rear	3.542/6.860

<b>CHASSIS AND BODY</b>	
Body/Frame	Unitized steel
Suspension - Front	MacPherson strut, coil springs
- Rear	Dual link strut, coil springs
Steering - Type	Electric Power Steering (EPS): Rack and pinion with electronic power assist
- Overall Ratio	15.6:1
- Turns (lock to lock)	2.9
- Turning Circle (curb to curb)	37.4 feet
Brake System	Electronically Controlled Brake (ECB) system with regenerative control and incorporating Anti-lock Braking System (ABS), Electronic Brakeforce Distribution (EBD), Brake Assist and Vehicle Dynamics Integrated Management system (VDIM)
Brake Rotors - Front - type/diameter	Disc/12.6 in.
- Rear - type/diameter	Disc/11.3 in.
Anti-Lock Braking System	4 channel, 4 sensor
Wheel Size/Type	17 x 6.5 J (standard) 18 x 7 JJ/graphite polished aluminum alloy (optional)
Tire Size/Type	225/SR17 (standard) 235/55VR18 M+S (optional)
Spare Tire/Wheel	Full size with aluminum alloy wheel
Tire Brands	Michelin, Goodyear

<b>PERFORMANCE</b>	
0-60 mph Acceleration (mfg. estimate)	7.3 seconds, AWD — 7.5 seconds, FWD
Top Track Speed	112 mph – electronically limited
EPA Fuel Consumption – City/Hwy/Combined	31/27/29 mpg, AWD — 32/27/29 FWD
Coefficient of Drag (C <sub>d</sub> )	0.35

Notes: Items in **bold** are new for 2007

### **STANDARD EXTERIOR FEATURES**

#### Overall Exterior Styling/Body Design

- Sleek, clean overall look with no cladding
- Pronounced wheel wells give rugged stance
- **RX 400h rear badge with “400h” in blue highlights**
- **“HYBRID” badge incorporated on side molding of rear doors**
- **“Lexus Hybrid Drive” engine cover**
- Large headlamp housings raked back into hood
- LED brake and tail lights
- Rear tail light housings merged with back window glass
- Standard integrated black rear spoiler
- Black privacy glass
- Water-repellant front door glass
- 225/65SR17

#### Body Structure and Paint

- Highly rigid body, monocoque construction
- High level of rust protection with zinc-plated steel on hood, doors and front fenders
- Anti-chipping paint applied to rocker panels and wheel housing arch sections
- Soft chip primer applied to hood for improved anti-chipping
- Measures to reduce noise, vibration and harshness (NVH) have been applied throughout the vehicle
- UV-reducing glass used for all windows
- Acoustic glass windshield to reduce noise
- Rear bumper protector
- Exterior colors: Crystal White, Millennium Silver Metallic, Flint Mica, Black Onyx, Savannah Metallic, Bamboo Pearl, Neptune Blue Mica

#### Convenience Features

- Standard power rear liftgate
- Variable intermittent windshield wipers
- Rear intermittent wiper
- Auto on/off headlamps
- Round projector-type foglamps integrated into front bumper
- Heated outside mirrors
- Auto-dimming electrochromic outside mirrors
- “Lexus” chrome scuff plates
- Fuel cap with tether

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### STANDARD INTERIOR FEATURES

#### Interior Trim

- Leather-trimmed three-spoke steering wheel and shift knob
- Fabric covered sun visors with adjustable-illumination vanity mirrors and slide extensions
- Aluminum-color interior accents on all doors, console, center of instrument panel, switch plates, around shifter island and shift knob
- Chrome inside door handles
- Coat hooks
- Fabric roof lining
- Fiber coated interior pillars
- Cut pile carpeting
- Carpeted floor mats (carpeted trunk mat optional)

#### Seats and Cargo Area

- 10-way power driver's seat: fore-aft slide; fore-aft recline; front vertical height; rear vertical height and power lumbar support
- **10-way power front passenger's seat: fore-aft slide; fore-aft recline; front vertical height, rear vertical height and power lumbar support**
- Five separate, manually adjustable (up/down) headrests
- Front seat-mounted armrests for both driver and front passenger
- Front seats recline to form a semi-flat area
- Reclining/sliding fold-down rear seats with 40/20/40-split
- Rear center arm rest with cup holders and storage box
- Auto-retracting Tonneau cover for rear cargo area synchronized to retract with opening rear door

#### Instrumentation and Controls

- Transmission shifter located in center instrument panel
- Electro-luminescent instrumentation in a unique three-pod layout with hybrid system power meter, speedometer with integrated multi-display, temperature and fuel level meters
- Scheduled maintenance indicator light

**STANDARD INTERIOR FEATURES – CONT.**Convenience Features

- Cruise Control
- Steering wheel controls for audio, multi-information display, cruise control, voice recognition and telephone
- Automatic dual-zone climate control
- Dust particle and deodorizing interior air filter
- Rear air conditioning vents mounted on rear of center console
- Defogger with timer
- Auto on/off headlights
- Courtesy lights mounted on doors
- Illuminated ignition ring
- Illuminated glove box and center console box
- Illuminated front cup holders
- Front map lights; cargo area light
- Sliding center console with coin holder, two cup holders and illuminated storage bin
- Three front cup holders: two cup holders in the center console; one pop-out cup holder to left of steering wheel
- Two rear cup holders in center armrest
- Two 12-volt power outlets (in addition to cigarette lighter): rear of center console box, cargo area
- Sunglasses holder located in overhead console
- Programmable garage door opener (HomeLink<sup>®</sup>)
- Front seatbelt anchor height adjusters
- Power windows with one-touch auto up/down feature with jam protection for all windows
- Power door locks with anti lock-out feature
- Four assist grips: two front, two rear
- Dual sliding sun visors
- Electric fuel door release
- Pull-out front door storage pockets
- Front seatback pockets
- Tool kit and first aid kit
- Lexus Personalized Settings (LPS) to allow certain electronic settings to be tailored to owner preference (programmable by Lexus dealers)

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### STANDARD AUDIO SYSTEM

#### Lexus Premium Audio

- AM/FM cassette with Radio Data System (RDS)
- Six-disc, single-feed in-dash CD auto-changer
- Eight speakers
- Sound positioning system optimizes speaker usage depending on occupant location
- Short pole antenna, FM diversity antenna
- 132 watts of continuous power at 0.1% THD

### STANDARD SAFETY AND SECURITY

#### Safety

- Advanced airbag system Supplemental Restraint System (SRS) for driver and front passenger:
  - ⇒ Driver's dual-stage airbag uses crash severity and seat track position to choose one of three possible deployment speeds.
  - ⇒ Front passenger dual-stage airbag uses passenger weight and crash severity sensors to choose one of two deployment speeds. Airbag will not deploy for passengers under 68.3 lbs or when child seat is detected (complies with FMVSS208).
- Large front seat-mounted side airbags designed to protect the torso, abdomen and pelvis
- Front and rear side curtain shield airbags with roll-over sensor
- Driver side knee airbag
- High-strength cabin that results in minimal post-crash intrusion and no fuel leakage (complies with FMVSS3301)
- Force-limiting seatbelt pretensioners for the driver and front passenger seats
- Three-point seat belts for all rear seating positions
- ALR/ELR seatbelt retractors on all outboard seating positions except driver (ELR only)
- Top tether anchors (three) and ISO-FIX bars in the rear seat
- Flashing seat belt warning light for both driver and front passenger
- Soft upper interior trim
- Separate head rests for each seating position (five)
- Side impact door beams
- Vehicle Dynamics Integrated Management (VDIM) system
- Four-sensor, four-channel Anti-lock Braking System (ABS) with Brake Assist (BA)
- **Tire Pressure Monitoring System (direct-type)**
- Brake pedal regression prevention mechanism to help reduce leg injuries in head-on impacts
- Collision fuel cut-off
- Daytime Running Lights (DRL)

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### Security

- Vehicle theft-deterrent system
- Multifunction in-key remote with engine immobilizer and remote window "down" feature
- Entry system with lock, two-stage unlock, trunk open and "panic" features, volume-adjustable confirmation tone and rolling code technology
- Remote-activated/key-linked illuminated entry: dome light and ignition key cylinder ring illuminate when doors are unlocked (remain illuminated for 15 seconds or until door is opened)
- Headlight off delay feature: after locking vehicle, headlights remain illuminated for a certain period of time before automatically shutting off

### **FACTORY OPTIONS**

#### Premium Package

- Leather trim interior
- Power tilt-telescope steering wheel with memory for steering wheel, driver's seat and outside mirrors
- Illuminated entry system (Lexus sill plates, door handles and foot wells)
- One-touch open/close moonroof with sliding sunshade
- Roof rack with rails

#### Premium Plus Package

- Premium Package options
- HID headlamps with Adaptive Front lighting System (AFS)

#### **Navigation System/Mark Levinson® Premium Audio Package (requires Premium or Premium Plus Package)**

- Navigation system with voice activation, rear back-up camera and Bluetooth®
- Mark Levinson DVD Premium Audio System with 11 speakers, 210 watts of power and less than 0.1%
- Total Harmonic Distortion (THD)

#### **Gen 5 DVD Navigation System**

- Voice activation
- Rear back-up camera
- Bluetooth®
- Larger **seven-inch** screen





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### **FACTORY OPTIONS – CONT.**

#### **Mark Levinson® DVD Premium Audio System**

- Mark Levinson audio with 11 speakers
- 210 watts of continuous power at 0.1% Total Harmonic Distortion (THD)

#### Rear Seat Entertainment System

- Larger **nine-inch** screen
- 110V accessory power outlet

#### Dynamic Laser Cruise Control

#### HID headlamps with Adaptive Front lighting System (AFS)

#### Adjustable Front Seat Heaters with Rain-Sensing Wipers

#### Roof Rack with Rails

#### 18" five-spoke wheel with Liquid Graphite finish

#### **Wood-trim for all interior colors**

#### Towing Package

- Transmission cooler
- Heavy duty alternator and radiator